

इंटरनेट

मानक

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IS 8031 (1976): Dissector, Watson Cheyne's Pattern [MHD 1: Surgical Instruments]



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Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”

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Indian Standard

SPECIFICATION FOR DISSECTOR, WATSON CHEYNE'S PATTERN

1. **Scope** — Covers dimensional and other requirements for Watson Cheyne's pattern dissector used in general surgery.
2. **Shape and Dimensions** — As shown in Fig. 1.

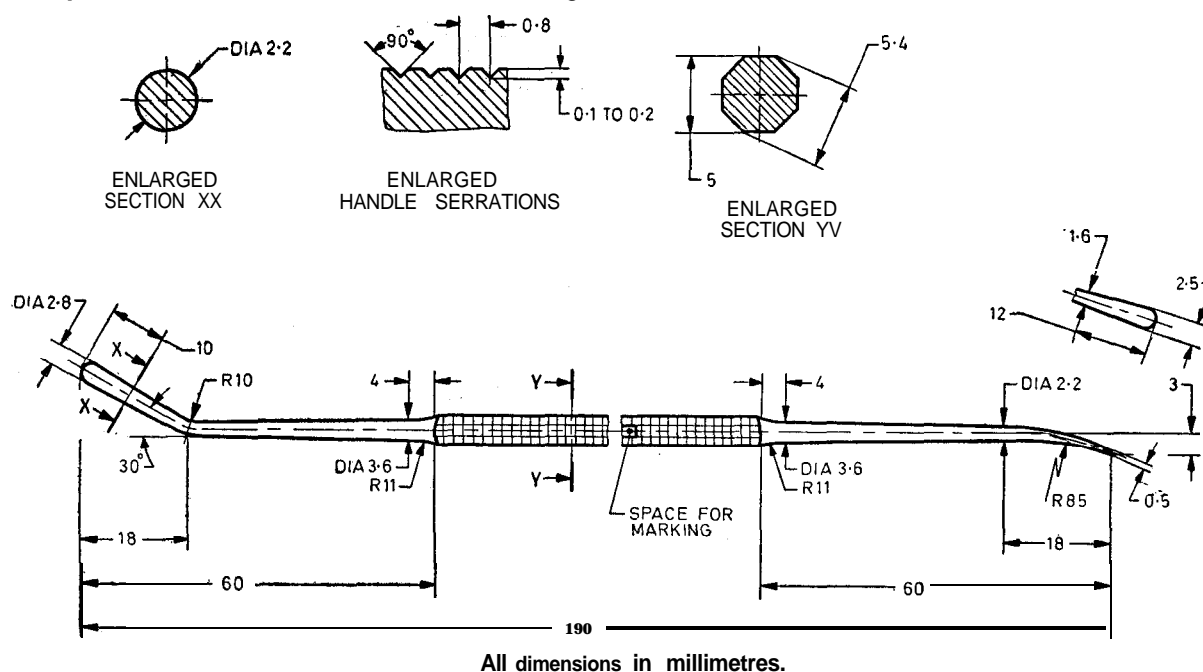


FIG. 1 DISSECTOR, WATSON CHEYNE'S PATTERN

- 2.1** Deviation of ± 2.5 percent shall be allowed on all dimensions.
- 3. Material** — Dissector shall be of stainless steel conforming to Designation **20Cr13** or **30Cr13** of IS : 6603-1972 ' Specification for stainless steel bars and flats '.
- 4. Workmanship and Finish**
- 4.1** The ends of the dissector shall be sharp as shown in Fig. 1.
- 4.2** The dissector shall be free from pits, cracks, burrs and other surface flaws.
- 4.3** The dissector shall be polished bright and passivated.
- 5. Heat Treatment**—The dissector shall be hardened and tempered to give a hardness of 380 to 430 HV.
- 6. Tests**
- 6.1 Flexibility**

6.1.1 Hold the dissector in a vice at the middle so that its flat end points upwards and 86 mm of the shaft protrudes above the vice. Apply a force at the tip of the flat end, so as to deflect it in a plane at right angles to the long axis of the jaw of the vice by 7 mm as measured at the upper extremity of the flat end. On release of the force, no permanent set shall be observed.

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6.1.2 Repeat the test with the dissector fixed at the middle of the shaft and the round end pointing upwards. Apply the force to the shaft at a point 86 mm above the upper surface of the vice in a plane at right angles to the long axis of the jaw of the vice. Deflect the shaft by 7 mm as measured at the level of the point where the force is applied. On release of the force, no permanent set shall be observed.

6.2 Corrosion Resistance -Test the dissector in accordance with IS: 7531-1975 'Method for boiling and autoclaving test for corrosion resistance of stainless steel surgical instruments'. It shall show no sign of corrosion after the test.

7. Marking — Each dissector shall be legibly and indelibly marked with the manufacturer's name, initials or his recognized trade-mark.

7.1 ISI Certification Marking — Details available with the Indian Standards Institution.

8. Packing — As agreed to between the purchaser and the supplier,